Title: System And Method For Adaptive Control Of Uncertain Nonlinear Processes Inventor: Calise, et al. Atty Dkt. No. 047291/276113

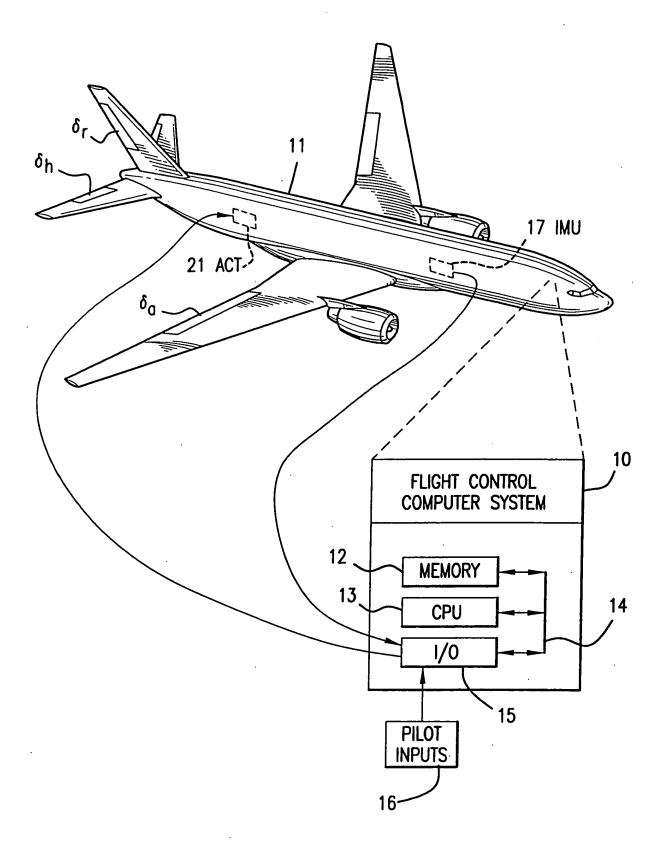


FIG.1

Title: System And Method For Adaptive Control Of Uncertain Nonlinear Processes Inventor: Calise, et al. Atty Dkt. No. 047291/276113 AIRCRAFT € ಎ್ಫ್ ಫ 29 θη'φη 유 ON-LINE NEURAL NETWORK 34 COMMAND TRANSFORMATION φ,θ,ψ,φ,θ,ψ ATTITUDE ORIENTATION SYSTEM ATTITUDE CONTROL (LINEAR CONTROLLER) 23 မ် မိ သီ မှာ 20 ಜ COMMAND
AUGMENTATION UNIT
& TURN
COORDINATION မှ PILOT INPUT

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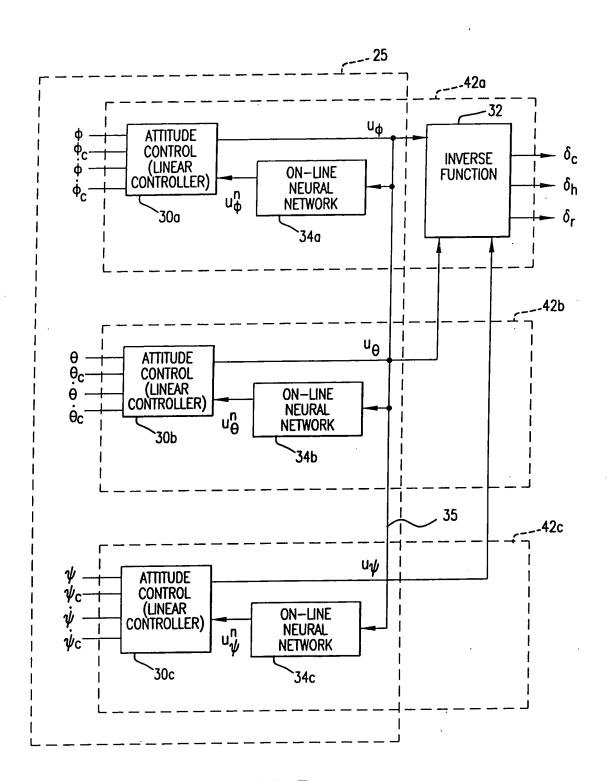
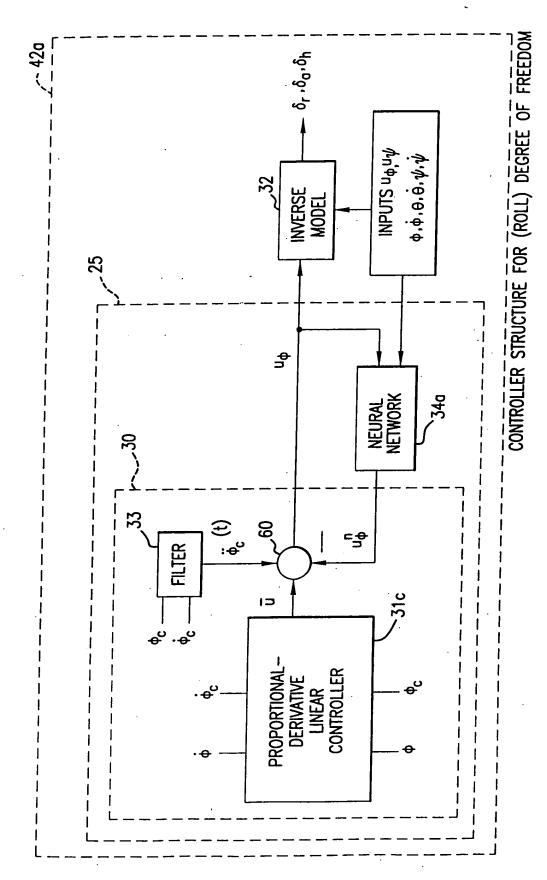
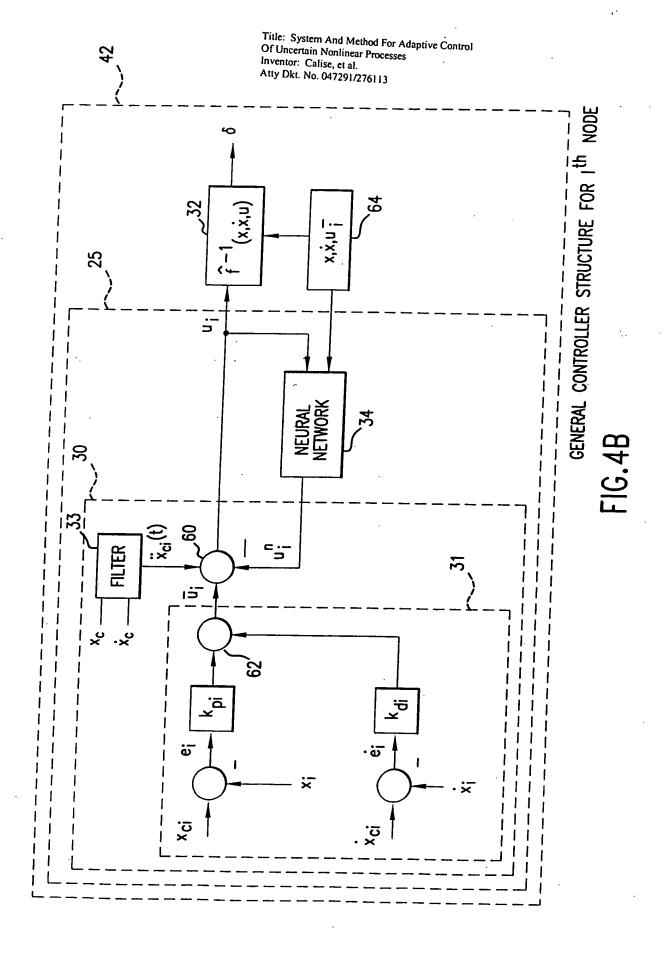


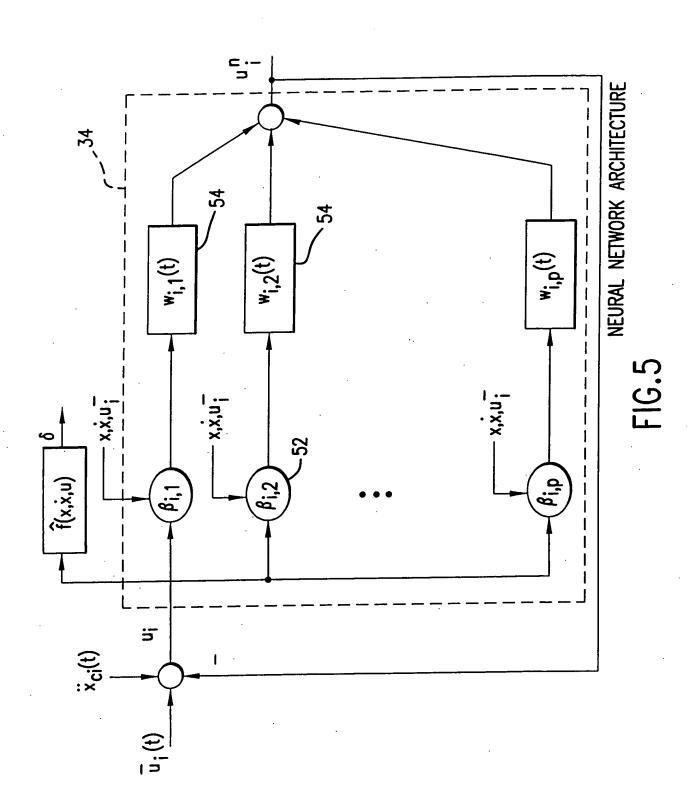
FIG.3

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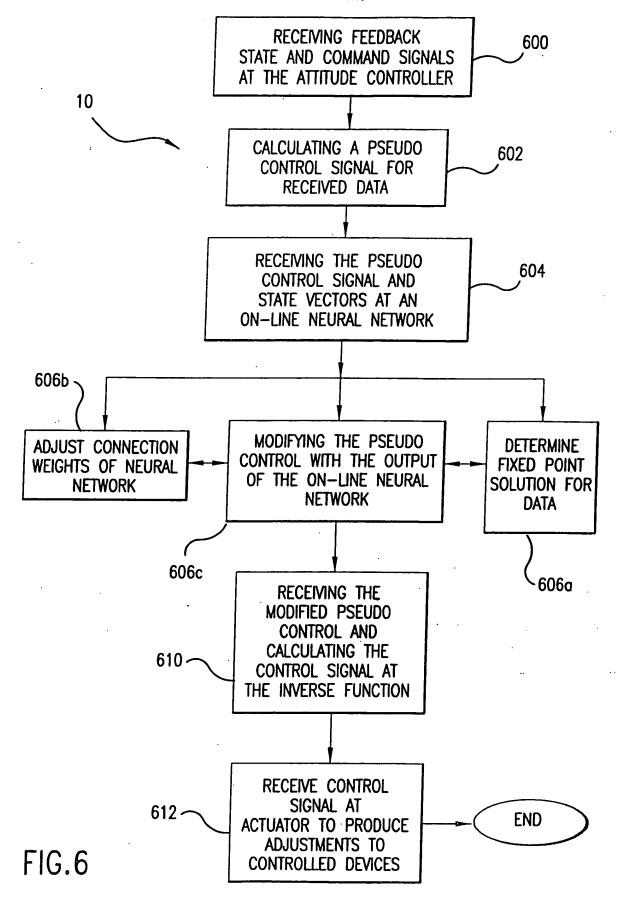


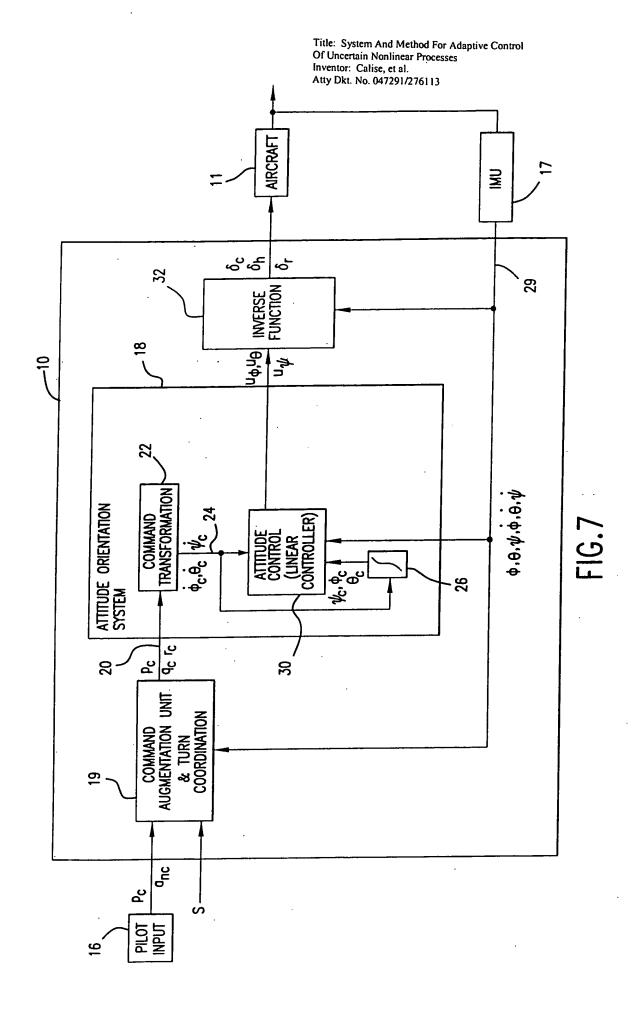
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Of Uncertain Nonlinear Processes Inventor: Calise, et al. Atty Dkt. No. 047291/276113

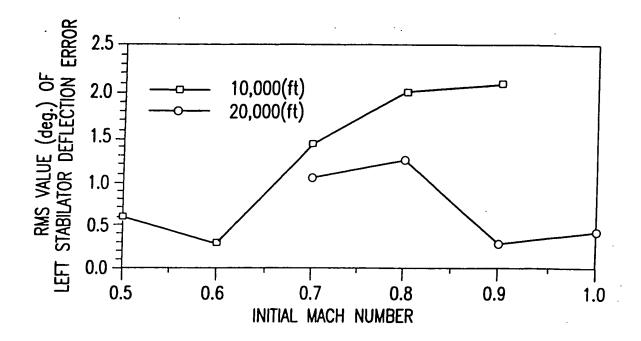


FIG.8A

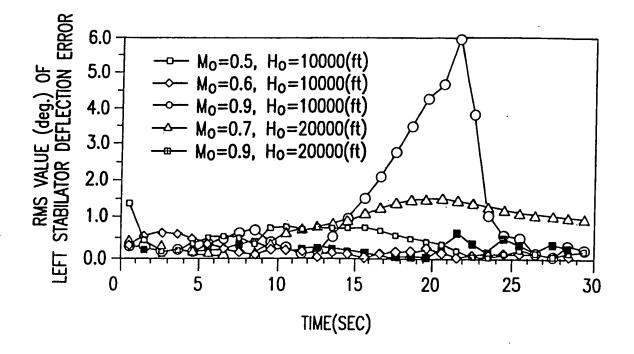
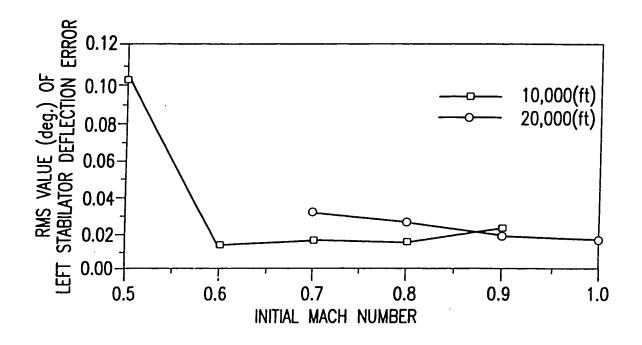


FIG.8B



0.6 --- $M_0=0.5$, $H_0=10000(ft)$ \rightarrow M₀=0.6, H₀=10000(ft) -- M₀=0.9, H₀=10000(ft) 0.4 $-M_0=0.7$, $H_0=20000(ft)$ $M_0=0.9$, $H_0=20000(ft)$ 0.2 5 15 0 10 20 25 30 TIME(SEC)

FIG.9A

FIG.9B